

Date: Sat, 11 Dec 93 04:30:22 PST  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V93 #139  
To: Ham-Ant

Ham-Ant Digest                      Sat, 11 Dec 93                      Volume 93 : Issue 139

Today's Topics:

                    2m car antenna?  
Apartment Antenna VHF/UHF (2 msgs)  
                    Coaxial "L" for 160 meters  
                    deltaloop -isoloop  
                    Loft Antenna help please  
                    Mag North Vs True North  
Suggestions for HF condo antennas?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>

Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>

Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 11 Dec 1993 03:57:47 GMT  
From: @uunet.uu.net@network.ucsd.edu  
Subject: 2m car antenna?  
To: ham-ant@ucsd.edu

Regarding your request for a "no hole" mount antenna for your new  
Saturn, have you seen the April 1991 issue of QST. Construction  
plans are included in that issue, showing how to fabricate and  
install a 2mtr glass mount antenna.

Hope you find it interesting. Mark N08J

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Date: 10 Dec 1993 15:28:53 -0500  
From: usc!sdd.hp.com!saimiri.primate.wisc.edu!caen!not-for-mail@network.ucsd.edu

Subject: Apartment Antenna VHF/UHF  
To: ham-ant@ucsd.edu

After a long hiatus from amateur radio, i am considering getting back into it a bit, specifically in VHF/UHF area. However, I do not hve an antenna. I live in an apartment, 3rd floor (top) with a balcony. I already asked the office if they would object to me putting something on the balcony, and they said no as long as the neighbors did not complain. So, I really don't have many obstacles here... my major problem is the feed line... how do I get it into the apartment??? I have a doorwall to the balcony and a set of windows in each of two bedrooms. The apartment is setup long ways, kinda like a rectangle. There is an attic/crawl space access in my bedroom closet, but I have not ventured up there yet.

Can anyone give me some tips/ideas for this setup?? I really don't want to do anything too involved as I seem to move around a lot and don't know how long I will be here... Thanks!!!

--

* Matt Weisberg, CNE	MILLIWAYS - Computer and Network Consulting	*
* PP-ASEL	21650 West Eleven Mile Road #202	*
* Amateur Radio: KF80H	Southfield, MI 48076	*
* Internet: moodyblu@ais.org	(810)350-0503 Fax:(810)350-0504	*

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Date: 10 Dec 93 22:00:51 GMT  
From: ogicse!emory!darwin.sura.net!fconvx.ncifcrf.gov!fcs260c!  
mack@network.ucsd.edu  
Subject: Apartment Antenna VHF/UHF  
To: ham-ant@ucsd.edu

How about a glass mount half wave vertical on the outside of the window and feed onto the inside of the window (can't have double thickness window though).

Joe NA3T  
mack@ncifcrf.gov

>

>* Matt Weisberg, CNE	MILLIWAYS - Computer and Network Consulting	*
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>* Internet: moodyblu@ais.org	(810)350-0503 Fax:(810)350-0504	*

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Date: Thu, 9 Dec 1993 02:17:04 GMT  
From: netcomsv!netcom.com!fmitch@decwrl.dec.com

Subject: Coaxial "L" for 160 meters  
To: ham-ant@ucsd.edu

hi... mitch, wa4osr here in mobile, alabama...

i am looking to put up an antenna for 160 meters... a friend has recommended the W4TWW coaxial inverted "L" ... apparently this antenna was in the arrl antenna handbook at one time... the antenna is constructed of 88 feet of coax (vel. factor .66) and 36 feet of wire... i don't think i can describe verbally (easliy) how the antenna is constructed... ANYWAY, can anyone give me any information on this antenna and tell me if it will be any better than a plain inverted L like is in the current arrl handbook???

thanks,  
mitch, wa4osr

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fmitch@netcom.com  
Felton "Mitch" Mitchell, WA4OSR in Mobile, Alabama USA  
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX  
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..  
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Date: Tue, 7 Dec 1993 10:31:44 GMT  
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
pipex!zaphod.crihan.fr!univ-lyon1.fr!stdin.gatelink.fr.net!lvds@network.ucsd.edu  
Subject: deltaloop -isoloop  
To: ham-ant@ucsd.edu

Hi,

Please, could someone explain the differences between deltaloops and isoloops and the way to made one by myself ? What are specificities of such kind antenna ?

Cheers, Laurent.

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Date: 6 Dec 1993 21:55:47 GMT  
From: mvb.saic.com!unogate!news.service.uci.edu!usc!venice!wp-sp.nba.trw.com!  
newswire.etdesg.trw.com!wayne@network.ucsd.edu  
Subject: Loft Antenna help please

To: ham-ant@ucsd.edu

Re: 2 mtr indoor antenna

I have had reasonably good luck with a single quad loop. Construct the loop per typical dimensions (about 18 in/side). Use corner feed from a side corner for vertical polarization (quad diagonal oriented vertically). This loop can be suspended from the middle of the room and rotated. With this construction, the antenna consists of wire, and a single horizontal spreader. A fiberglass "arrow" blank is a good material. (or buy a fiberglass arrow, and cut off the stuff from both ends)

A cubical quad is also effective indoors. Build the antenna from fiberglass arrows, and a square wooden boom (1/2 in square is fine) Drill holes in the boom to push the arrow shafts through.  
--wayne W5GIE

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Date: Thu, 9 Dec 1993 17:21:47 GMT  
From: pravda.sdsc.edu!usc!howland.reston.ans.net!europa.eng.gtefsd.com!emory!rsiatl!ke4zv!gary@network.ucsd.edu  
Subject: Mag North Vs True North  
To: ham-ant@ucsd.edu

In article <171480001@hpcuhe.cup.hp.com> donh@hpcuhe.cup.hp.com (Don Hay) writes:  
>While checking a beam heading the other night, the following question  
>came to mind. In San Jose, where I live, Magnetic North is 16 degrees  
>east of true north. If my beam heading is 'true north', will the RF  
>be squed by the fact that magnetic north is to the east? In other words,  
>does the magnetic properties of the earth cause signal squing problems?  
>Don't think this is really a problem as the beam pattern is quite spread  
>at a distance anyway. I just found this to be an interesting thought!

The Earth's geomagnetic field does affect propagation, especially on transpolar paths, but it won't skew your pattern because of simple declination. Read up on a mode called FAI.

>Keep CW alive and well!

If you must.

Gary

--

Gary Coffman KE4ZV	I kill you,	gatech!wa4mei!ke4zv!gary
Destructive Testing Systems	You kill me,	uunet!rsiatl!ke4zv!gary
534 Shannon Way	We're the Manson Family	emory!kd4nc!ke4zv!gary

Lawrenceville, GA 30244

-sorry Barney

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Date: Wed, 8 Dec 1993 13:30:40 GMT  
From: netcomsv!netcom.com!greg@decwrl.dec.com  
Subject: Suggestions for HF condo antennas?  
To: ham-ant@ucsd.edu

In article <2e29nd\$53a@mojo.eng.umd.edu> mebly@eng.umd.edu (Mark E. Bailey) writes:  
>I am helping a new ham install an HF radio setup in her condominium/townhouse.  
>  
>External antennas are prohibited. That leaves her attic. The attic is about  
>25' by 35'. I've considered hanging a 15/10 meter dipole (or, more likely,  
>inverted vee) from the peak of the roof in the attic. This would get her  
>onto 10 and 15. (She's a new Tech +).  
>  
>I don't want to try to set up a long wire and tuner yet.  
>  
>I've also considered putting up a loop around the base of the attic. It  
>seems that absorbtion might be a problem here.  
>  
>Does anyone have any comments about the loop or other suggestions?

Yes. If you want something that will work, while you experiment with other things, try an AEA IsoLoop (I can't speak for the MFJ clone). Mine was in the attic of my second-story condo. I suspended it from polypropylene lines by replacing one of the case-screws with a screw-eye.

Since the coax and control lines will likely be running through the RF, and not through the loop's node as recommended, break them up with toroids and ferrit rods as per the ARRL Handbook.

One thing... ..the standard control box is pretty bad. They have an automagic (\$\$\$) one now. They didn't when I got mine, so what I used was an MFJ SWR analyzer on a switch, which I would tune to frequency in the receiver and then set the loop for 1:1 SWR.

Above all, this antenna works. It is also brilliant for removing all sorts of nasty noise before it hits the receiver. It should be. It's as narrow-band as they come.

Greg

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End of Ham-Ant Digest V93 #139

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